

MEMORANDUM



DATE: January 13, 2017
TO: Members of the Michigan House of Representatives
FROM: Mary Ann Cleary, Director *MAC*
RE: Consensus Revenue Agreement – January 12, 2017

Pursuant to the Management and Budget Act Sections 367(a) through 367(f), the Consensus Revenue Estimating Conference establishes an official economic forecast of major variables of the national and state economies and establishes a forecast of anticipated state General Fund/General Purpose (GF/GP) and School Aid Fund (SAF) revenue.

The conference principals at the January 2017 meeting were the Director of the House Fiscal Agency, the Director of the Senate Fiscal Agency, and the State Treasurer. The Director of the Senate Fiscal Agency is the 2017 Conference Chairperson.

The attached tables provide a summation of the agreements reached at the January 2017 conference. These consensus estimates will be revised or updated at the May 2017 conference.

Table 1: Consensus Economic Forecast

Provides estimates of various state and national economic variables. The forecast indicates that real gross domestic product (GDP) will increase 2.0% in calendar year (CY) 2017, 1.9% in CY 2018, and 2.1% in CY 2019. Michigan personal income is forecast to increase 3.9% in CY 2017, 3.7% in CY 2018, and 4.1% in CY 2019.

Table 2: Consensus Estimates of GF/GP and SAF

Provides the preliminary final FY 2015-16 revenue, revised revenue estimates for FY 2016-17 and FY 2017-18, and the initial estimates for FY 2018-19. Relative to FY 2015-16, net GF/GP and SAF revenue is estimated to increase \$613.0 million or 2.8% in FY 2016-17, \$558.7 million or 2.5% in FY 2017-18, and \$415.0 million or 1.8% in FY 2018-19.

Table 3: Consensus Estimate—Budget and Economic Stabilization Fund (BSF) Calculation

Calculated pay-in for FY 2016-17 is \$140.2 and there are no pay-ins required for FY 2017-18 and FY 2018-19. It should be noted that the deposits to the BSF are not automatic, and that they require an appropriation. An appropriation for \$75 million has already been made for FY 2016-17, although this is \$65.2 million less than the calculated amount. No pay-outs are expected for any of these years. Pay-ins and pay-outs from the BSF are based on growth in real adjusted personal income (Management and Budget Act, 1984 PA 431, Section 352).

Table 4: Consensus Estimate—Constitutional Revenue Limit Calculation

Reports calculations of the amounts that revenue exceed or do not exceed the constitutional state revenue limit established in Article IX, Section 26 of the Constitution of the State of Michigan. Total state revenue subject to the limit is estimated to be \$8.37 billion below the limit in FY 2015-16, \$9.29 billion below in FY 2016-17, \$9.49 billion below in FY 2017-18, and \$10.20 billion below the limit in FY 2018-19.

Table 5: Long Term Revenue Trend

The long term revenue trend for combined GF/GP and SAF revenue is 2.1% growth for FY 2019-20 and 2.0% growth for FY 2020-21.

Table 6 and Table 7:

**Consensus Estimate—School Aid Revenue Adjustment Factor
and Pupil Membership Adjustment Factor**

Reports consensus estimates of revenue adjustment factor and pupil membership for FY 2017-18 and FY 2018-19. The revenue adjustment factor is multiplied by the pupil membership adjustment factor to determine the index, the statutorily recommended increase or decrease in the per pupil foundation allowance. The School Aid Index for FY 2017-18 is 1.0265 and FY 2018-19 is 1.0276. The index would equal a 2.7% increase in the foundation allowance in FY 2017-18 and 2.8% in FY 2018-19.

If you have any questions regarding this information, please do not hesitate to call.

Attachments

Table 1
Consensus Economic Forecast
January 2017

	<u>Calendar 2016 Forecast</u>	<u>% Change from Prior Year</u>	<u>Calendar 2017 Forecast</u>	<u>% Change from Prior Year</u>	<u>Calendar 2018 Forecast</u>	<u>% Change from Prior Year</u>	<u>Calendar 2019 Forecast</u>	<u>% Change from Prior Year</u>
<u>United States</u>								
Real Gross Domestic Product (Billions of Chained 2009 Dollars)	\$16,660	1.6%	\$16,993	2.0%	\$17,316	1.9%	\$17,680	2.1%
Implicit Price Deflator GDP (2009 = 100)	111.4	1.3%	113.4	1.8%	115.6	1.9%	117.9	2.0%
Consumer Price Index (1982-84 = 100)	239.925	1.2%	244.879	2.1%	249.777	2.0%	255.504	2.3%
Consumer Price Index – Fiscal Year (1982-84 = 100)	238.939	0.9%	243.767	2.0%	248.490	1.9%	254.017	2.2%
Personal Consumption Deflator (2009 = 100)	110.7	1.1%	112.6	1.7%	114.6	1.8%	116.9	2.0%
3-month Treasury Bills Interest Rate (Percent)	0.3%		0.8%		1.4%		2.1%	
Aaa Corporate Bonds Interest Rate (Percent)	3.6%		3.9%		4.1%		4.3%	
Unemployment Rate (Percent)	4.9%		4.7%		4.7%		4.7%	
Wage and Salary Employment (Millions)	144.319	1.7%	146.200	1.3%	147.520	0.9%	148.850	0.9%
Housing Starts (Millions of Starts)	1.164	4.7%	1.226	5.3%	1.270	3.6%	1.335	5.1%
Light Vehicle Sales (Millions of Units)	17.5	0.4%	17.2	-1.5%	17.0	-1.2%	16.9	-0.6%
Passenger Car Sales (Millions of Units)	6.9	-8.2%	6.5	-5.8%	6.4	-1.5%	6.3	-1.6%
Light Truck Sales (Millions of Units)	10.6	6.9%	10.7	1.3%	10.6	-0.9%	10.6	0.0%
Big 3 Share of Light Vehicles (Percent)	42.9%		43.0%		43.2%		43.0%	
<u>Michigan</u>								
Wage and Salary Employment (Thousands)	4,329	2.0%	4,376	1.1%	4,420	1.0%	4,464	1.0%
Unemployment Rate (Percent)	4.6%		4.6%		4.8%		4.7%	
Personal Income (Millions of Dollars)	\$440,101	3.6%	\$457,265	3.9%	\$474,183	3.7%	\$493,625	4.1%
Real Personal Income (Millions of 1982-84 Dollars)	\$198,076	2.0%	\$201,330	1.6%	\$204,870	1.8%	\$208,937	2.0%
Wages and Salaries (Millions of Dollars)	\$224,580	4.6%	\$232,215	3.4%	\$239,414	3.1%	\$247,793	3.5%
Detroit Consumer Price Index (1982-84 = 100)	222.188	1.6%	227.122	2.2%	231.456	1.9%	236.255	2.1%

NOTE: Percentages may not calculate exactly due to rounding.

Table 2
January 2017: Revenue Comparison and Consensus Estimates of GF/GP and SAF
(Millions of Dollars)

	FY 2015-16			FY 2016-17			FY 2017-18			FY 2018-19				
	<u>FY 2015-16 Preliminary Final</u>	<u>Change From FY 2014-15</u>	<u>\$ Change From May 2016 Consensus</u>	<u>January 2017 Consensus</u>	<u>Change From FY 2015-16</u>	<u>\$ Change From May 2016 Consensus</u>	<u>January 2017 Consensus</u>	<u>Change From FY 2016-17</u>	<u>\$ Change From May 2016 Consensus</u>	<u>January 2017 Consensus</u>	<u>Change From FY 2017-18</u>			
General Fund/ General Purpose														
Baseline	\$10,975.5	3.0%		\$11,306.6	\$331.1	3.0%	\$48.1	\$11,662.1	\$355.5	3.1%	(\$7.5)	\$12,032.1	\$370.0	3.2%
Tax Adjustments	(\$960.1)			(\$1,016.5)	(\$56.4)		\$103.5	(\$1,139.4)	(\$122.9)		(\$76.9)	(\$1,442.8)	(\$303.4)	
Net GF/GP Revenue	\$10,015.4	-0.3%	\$281.3	\$10,290.1	\$274.7	2.7%	\$151.6	\$10,522.7	\$232.6	2.3%	(\$84.4)	\$10,589.3	\$66.6	0.6%
School Aid Fund Revenue														
Baseline	\$12,181.6	3.4%		\$12,470.2	\$288.6	2.4%	\$85.3	\$12,765.0	\$294.8	2.4%	\$13.6	\$13,090.3	\$325.3	2.5%
Tax Adjustments	(\$62.9)			(\$13.2)	\$49.7		(\$30.7)	\$18.1	\$31.3		\$8.7	\$41.2	\$23.1	
Net SAF Revenue	\$12,118.7	3.2%	\$51.3	\$12,457.0	\$338.3	2.8%	\$54.6	\$12,783.1	\$326.1	2.6%	\$22.3	\$13,131.5	\$348.4	2.7%
Total GF/GP and SAF														
Baseline	\$23,157.1	3.2%		\$23,776.8	\$619.7	2.7%	\$133.4	\$24,427.1	\$650.3	2.7%	\$6.1	\$25,122.4	\$695.3	2.8%
Tax Adjustments	(\$1,023.0)			(\$1,029.7)	(\$6.7)		72.8	(\$1,121.3)	(\$91.6)		(\$68.2)	(\$1,401.6)	(\$280.3)	
Net GF/GP and SAF	\$22,134.1	1.6%	\$332.6	\$22,747.1	\$613.0	2.8%	\$206.2	\$23,305.8	\$558.7	2.5%	(\$62.1)	\$23,720.8	\$415.0	1.8%

Numbers may not calculate exactly due to rounding.

Table 3
January 2017: Consensus Estimate for Budget and Economic Stabilization Fund Calculation
(Millions of Dollars)

	FY 2016-17 Pay-In / FY 2015-16 Pay-Out Calculation		FY 2017-18 Pay-In / FY 2016-17 Pay-Out Calculation		FY 2018-19 Pay-In / FY 2017-18 Pay-Out Calculation		FY 2018-19 Pay-In / Pay-Out Calculation	
	<u>CY 2015</u>	<u>CY 2016</u>	<u>CY 2016</u>	<u>CY 2017</u>	<u>CY 2017</u>	<u>CY 2018</u>	<u>CY 2018</u>	<u>CY 2019</u>
Michigan Personal Income ⁽¹⁾	\$424,807	\$440,101	\$440,101	\$457,265	\$457,265	\$474,183	\$474,183	\$493,625
Less Transfer Payments ⁽¹⁾	\$91,439	\$94,290	\$94,290	\$98,721	\$98,721	\$103,657	\$103,657	\$108,840
Income Net of Transfers	\$333,368	\$345,811	\$345,811	\$358,544	\$358,544	\$370,526	\$370,526	\$384,785
Detroit CPI ⁽²⁾ for 12 months ending	2.195 (June 2015)	2.202 (June 2016)	2.202 (June 2016)	2.250 (June 2017)	2.250 (June 2017)	2.293 (June 2018)	2.293 (June 2018)	2.339 (June 2019)
Real Adjusted Michigan Personal Income	\$151,890	\$157,044	\$157,044	\$159,321	\$159,321	\$161,576	\$161,576	\$164,504
Change in Real Adjusted Personal Income		3.4%		1.4%		1.4%		1.8%
Amount Under 0%		N/A		N/A		N/A		N/A
Between 0% and 2%		2.0%		1.4%		1.4%		1.8%
Excess Over 2%		1.4%		N/A		N/A		N/A
GF/GP Revenue	FY 2015-16	\$10,015.4	FY 2016-17	\$10,290.1	FY 2017-18	\$10,522.7	FY 2018-19	\$10,589.3
BSF PAY-IN⁽³⁾	FY 2016-17	\$140.2	FY 2017-18	No Pay-In	FY 2018-19	No Pay-In	FY 2018-19	No Pay-Out
BSF PAY-OUT⁽³⁾	FY 2015-16	No Pay-Out	FY 2016-17	No Pay-Out	FY 2017-18	No Pay-Out	FY 2018-19	No Pay-Out

Notes:

1. Personal Income and Transfer Payments: CY 2015 is from the U.S. Bureau of Economic Analysis, October 2016. Subsequent years are January 2017 consensus estimates.
2. Detroit Consumer Price Index, CY 2015 and CY 2016 are exponential averages of the six monthly values reported by U.S. Bureau of Labor Statistics for the July through June period. Subsequent years are January 2017 consensus estimates.
3. Calculation done per MCL 18.1352.

Table 4
January 2017 Consensus Estimate
Constitutional Revenue Limit Calculation
(Millions of Dollars)

	FY 2014-15 Actual	FY 2015-16 Consensus January 2017	FY 2016-17 Consensus January 2017	FY 2017-18 Consensus January 2017	FY 2018-19 Consensus January 2017
Revenue Subject to Limit					
Consensus					
Net General Fund General Purpose	\$10,040.9	\$10,015.4	\$10,290.1	\$10,522.7	\$10,589.3
Constitutional Revenue Sharing	\$754.0	\$751.1	\$754.8	\$771.3	\$791.1
Net School Aid Fund	\$11,747.1	\$12,118.7	\$12,457.0	\$12,783.1	\$13,131.5
Transportation	\$2,205.7	\$2,275.7	\$2,514.6	\$2,930.8	\$3,155.0
Other Restricted Revenue	\$4,568.3	\$4,796.8	\$5,036.6	\$5,288.4	\$5,552.8
Less: GF/GP Federal Aid	\$38.5	\$18.8	\$25.0	\$25.0	\$25.0
Total Revenue Subject to Limit	\$29,277.6	\$29,938.9	\$31,028.1	\$32,271.3	\$33,194.7
Revenue Limit					
	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
Personal Income	\$386,471	\$403,726	\$424,807	\$440,101	\$457,265
Ratio	9.49%	9.49%	9.49%	9.49%	9.49%
Revenue Limit	\$36,676.1	\$38,313.6	\$40,314.2	\$41,765.6	\$43,394.4
Total Revenue Subject to Limit	\$29,277.6	\$29,938.9	\$31,028.1	\$32,271.3	\$33,194.7
Amount Under (Over) Limit	\$7,398.5	\$8,374.7	\$9,286.1	\$9,494.3	\$10,199.7

Numbers may not calculate exactly due to rounding.

Note: CY 2013 Personal Income is used for the FY 2015 revenue limit calculation, CY 2014 for FY 2016, CY 2015 for FY 2017, CY 2016 for FY 2018, and CY 2017 for FY 2019.

Table 5
Long Term Revenue Trend
(Millions of Dollars)

	<u>FY 2019-20</u>	<u>FY 2020-21</u>
Net GF/GP Revenue	\$10,731.3	\$10,848.1
Growth	1.3%	1.1%
Net SAF Revenue	\$13,499.0	\$13,877.8
Growth	2.8%	2.8%
Combined GF/GP and SAF	\$24,230.3	\$24,725.9
Growth	2.1%	2.0%

Table 6
January 2017 Consensus Estimate
Revenue Adjustment Factor and Pupil Membership Adjustment Factor
for FY 2017-18

<u>Revenue Adjustment Factor (Millions of \$)</u>			
	<u>FY 2015-16</u>	<u>FY 2016-17</u>	<u>FY 2017-18</u>
Baseline SAF Revenue	\$12,181.6	\$12,470.2	\$12,765.0
Balance Sheet Adjustments	(\$62.9)	(\$13.2)	\$18.1
Net SAF Estimate	\$12,118.7	\$12,457.0	\$12,783.1
Subtotal Adjustments to FY 2017-18 Base	<u>\$81.0</u>	<u>\$31.3</u>	<u>\$0.0</u>
Baseline Revenue on an FY 2017-18 Base	\$12,199.7	\$12,488.3	\$12,783.1
Percent Change		2.37%	2.36%
SAF Revenue Adjustment Calculation for FY 2017-18:			
Sum of FY 2015-16 and FY 2016-17	\$12,199.7 +	\$12,488.3	= \$24,688.0
Sum of FY 2016-17 and FY 2017-18	\$12,488.3 +	\$12,783.1	= \$25,271.4
FY 2017-18 Revenue Adjustment Factor			1.0236
<i>Note: Factor is calculated off a FY 2018 base year.</i>			
	<u>May 2016 Consensus Estimate</u>	<u>January 2017 Consensus Estimate</u>	<u>Change</u>
<u>Pupil Membership Adjustment Factor</u>			
FY 2016-17			
Local Districts	1,331,000	1,337,700	6,700
Public School Academies	<u>153,500</u>	<u>153,000</u>	<u>(500)</u>
Total	1,484,500	1,490,700	6,200
FY 2017-18			
Local Districts	1,319,000	1,336,500	17,500
Public School Academies	<u>155,500</u>	<u>150,000</u>	<u>(5,500)</u>
Total	1,474,500	1,486,500	12,000
Consensus Estimate of Pupil Membership	<u>FY 2016-17</u> 1,490,700	<u>FY 2017-18</u> 1,486,500	
Pupil Membership Adjustment Factor for FY 2017-18:			
<u>FY 2016-17 Pupil Membership</u>	=	<u>1,490,700</u>	
<u>FY 2017-18 Pupil Membership</u>	=	<u>1,486,500</u>	
FY 2017-18 Pupil Membership Adjustment Factor			1.0028
FY 2017-18 School Aid Index			1.0265

Table 7
January 2017 Consensus Estimate
Revenue Adjustment Factor and Pupil Membership Adjustment Factor
for FY 2018-19

<u>Revenue Adjustment Factor (Millions of \$)</u>			
	<u>FY 2016-17</u>	<u>FY 2017-18</u>	<u>FY 2018-19</u>
Baseline SAF Revenue	\$12,470.2	\$12,765.0	\$13,090.3
Balance Sheet Adjustments	(\$13.2)	\$18.1	\$41.2
Net SAF Estimate	\$12,457.0	\$12,783.1	\$13,131.5
Subtotal Adjustments to FY 2018-19 Base	\$54.4	\$23.1	\$0.0
Baseline Revenue on an FY 2018-19 Base	\$12,511.4	\$12,806.2	\$13,131.5
Percent Change		2.36%	2.54%
SAF Revenue Adjustment Calculation for FY 2018-19:			
Sum of FY 2016-17 and FY 2017-18	\$12,511.4	+	\$12,806.2
			=
			\$25,317.6
Sum of FY 2017-18 and FY 2018-19	\$12,806.2	+	\$13,131.5
			=
			\$25,937.7
FY 2018-19 Revenue Adjustment Factor			1.0245
<i>Note: Factor is calculated off a FY 2019 base year.</i>			
	<u>May 2016 Consensus Estimate</u>	<u>January 2017 Consensus Estimate</u>	<u>Change</u>
<u>Pupil Membership Adjustment Factor</u>			
FY 2017-18			
Local Districts	1,319,000	1,336,500	17,500
Public School Academies	155,500	150,000	(5,500)
Total	1,474,500	1,486,500	12,000
FY 2018-19			
Local Districts	N/A	1,330,000	N/A
Public School Academies	N/A	152,000	N/A
Total	N/A	1,482,000	N/A
Consensus Estimate of Pupil Membership	<u>FY 2017-18</u> 1,486,500	<u>FY 2018-19</u> 1,482,000	
Pupil Membership Adjustment Factor for FY 2018-19:			
<u>FY 2017-18 Pupil Membership</u>	=	<u>1,486,500</u>	
<u>FY 2018-19 Pupil Membership</u>	=	<u>1,482,000</u>	
FY 2018-19 Pupil Membership Adjustment Factor			1.0030
FY 2018-19 School Aid Index			1.0276